

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
WO 2005/041493 A1

(51) International Patent Classification<sup>7</sup>:

H04L 12/56

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/EP2004/011106

(22) International Filing Date: 5 October 2004 (05.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

03103688.2 6 October 2003 (06.10.2003) EP

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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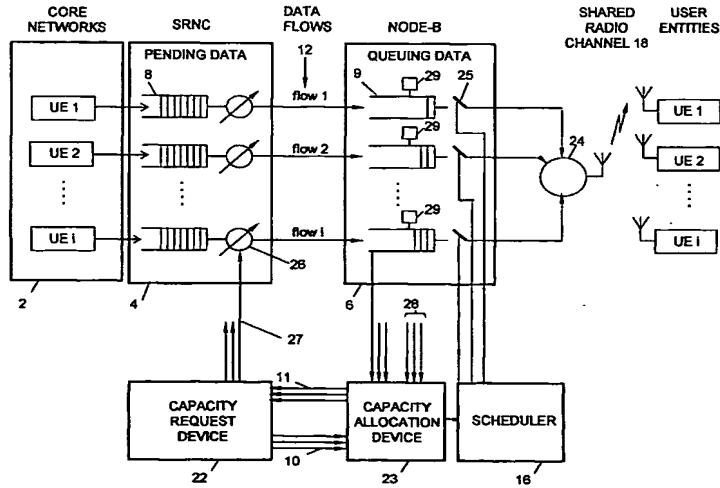
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Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COORDINATED DATA FLOW CONTROL AND BUFFER SHARING IN UMTS



WO 2005/041493 A1

(57) Abstract: The invention describes a flow control method to control HS-DSCH data streams over UTRAN Iub and Iur interfaces. Two credit assignment schemes are also described. A radio network node at which the flow control method executes is proposed. Finally a computer program product for execution of the flow control method and the credit assignment schemes is described. The control of separate user data flows is coordinated by Node-B and data transport over the Iub and Iur interfaces is adapted to data transfer over the Uu interface. The main advantage is that buffering can be primarily maintained in SRNC. It is shown that the proposed flow control method can significantly reduce Node-B's buffer level when compared to a scheme where the control of individual data flows is performed independently of each other. It is also shown that the negative impact on the quantity of flowing data is generally minor. (Figure 5)